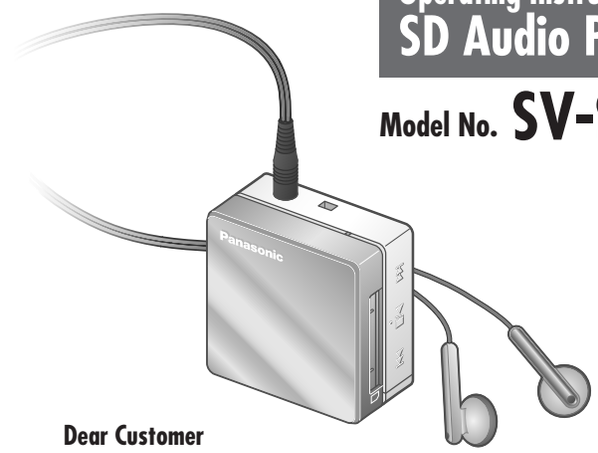
Panasonic

Operating Instructions
SD Audio Player

Model No. **SV-SD100V**



Dear Customer

Thank you for purchasing this product.
Before connecting, operating or adjusting this product, please read the instructions completely. Please keep this manual for future reference.

Caution
This unit is not waterproof and should not be exposed to excessive moisture.

Panasonic Consumer Electronics Company,
Division of Panasonic Corporation of North America
One Panasonic Way Secaucus, New Jersey 07094
http://www.panasonic.com/sd

Panasonic Puerto Rico, Inc.
Ave. 65 de Infantería, Km. 9.5 San Gabriel Industrial Park, Carolina, Puerto Rico 00985

Panasonic Canada Inc.
5770 Ambler Drive, Mississauga, Ontario L4W 2T3
www.panasonic.ca

PP En

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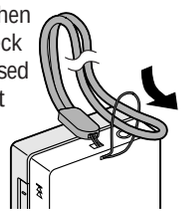
■ Supplied accessories

(As of February 2005)

- ☐ **Stereo earphones** (L0BAB0000192)—1pc
- ☐ **Rechargeable battery with case** —1pc
  Recommended replacement rechargeable battery: HHF-AZ10 (Nickel-metal hydride rechargeable battery)
- ☐ **AC adaptor** (RFA2693)—1pc
- ☐ **CD-ROM** (SD-Jukebox Ver. 5.0 LE)—1pc
- ☐ **USB Cable** (K1HA08CD0004)—1pc
- ☐ **Neck lanyard** (VFC4028)—1pc

Caution:
Take care when using the neck lanyard. If used improperly, it can be a choking hazard.



Use numbers indicated in parentheses when asking for replacement parts.

For the U.S.A: To order accessories, refer to "Accessory Purchases" on page 8.

The model number and serial number of this product can be found on either the back or the bottom of the unit.
Please note them in the space provided below and keep for future reference.
MODEL NUMBER SV-SD100V
SERIAL NUMBER _____

User memo	
	DATE OF PURCHASE _____
	DEALER NAME _____
	DEALER ADDRESS _____
	_____
	TELEPHONE NUMBER _____

The socket outlet shall be installed near the equipment and easily accessible or the mains plug or an appliance coupler shall remain readily operable.

Marking sign is located on bottom of the unit.

A nickel metal hydride battery that is recyclable powers the product you have purchased. Please call 1-800-8-BATTERY for information on how to recycle this battery.

RECYCLE Ni-MH 1-800-822-8837

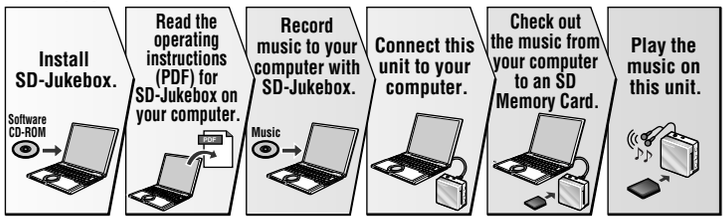
PRINTED WITH SOY INK

This manual was printed with soy based ink.

SD-Jukebox Ver. 5.0 LE

SD-Jukebox Features

SD-Jukebox is an application for recording and managing music from audio CDs on your computer. SD-Jukebox also enables you to "check out" recorded tracks to SD Memory Cards so you can enjoy the music on SD Audio players or other SD devices.


Install SD-Jukebox.
Software CD-ROM
Read the operating instructions (PDF) for SD-Jukebox on your computer.
Record music to your computer with SD-Jukebox.
Music
Connect this unit to your computer.
Check out the music from your computer to an SD Memory Card.
Play the music on this unit.

SD-Jukebox Precautions

SD-Jukebox incorporates copyright protection technology with encryption to support musicians and the music industry and protect the rights of lawful owners. Thus, the following restrictions apply when using SD-Jukebox.

- SD-Jukebox records audio data in an encrypted form on your computer's hard disk. Encrypted music cannot be used if you move or copy the files to other folders, drives, or computers.
- Unique identification specific to your processor and hard disk is used for encryption. Thus, if you replace the processor or hard disk, previous audio data may no longer be available.

- Recording and operating problems may occur on some computer systems. Please note that Panasonic and Panasonic dealers cannot be held liable for any lost audio data or other direct or indirect damage except in cases of intentional or gross negligence.
- MultiMediaCards (MMC) are not supported by SD-Jukebox.
- CDs without the logo are not supported for playback or recording with SD-Jukebox.

Installing SD-Jukebox

Do not connect this unit to the computer until SD-Jukebox has finished installing.

1 Turn on the computer and start Windows.

2 Insert the included CD-ROM into the CD-ROM drive.

- The installer program starts automatically.
- Follow the on-screen instructions.

- The serial number that you need to input when installing the software is indicated on the CD-ROM package. Please keep this in a safe place for future reference.

3 Click "Finish".

Choose "restart". The computer automatically restarts. The installation is now finished.

Note If the installer program does not start automatically on your computer, follow these steps:

1 From the Windows "start" menu, choose "Run".

2 Type "#:\autorun.exe" and click on "OK".

- Follow the on-screen instructions.
- #: The ID of the CD-ROM drive that you inserted the CD-ROM into.
- You can use upper or lower case letters in this step.

Using the PDF Operating Instructions for SD-Jukebox

The operating instructions for SD-Jukebox are installed along with the application as a PDF.

SD Memory Card (not included)

- This unit supports SD Memory Cards and miniSD™ Card (miniSD™ card requires miniSD™ card adaptor) formatted in a FAT12 file system or a FAT16 file system based on SD Memory Card specifications.
- You can use SD Memory Cards with the following capacities in this unit. (Panasonic cards are recommended.)

  8 MB, 16 MB, 32 MB, 64 MB, 128 MB, 256 MB, 512 MB, and 1 GB (maximum)

- Useable memory is slightly less than the card capacity.
- Please confirm the latest information on the following website: http://panasonic.co.jp/pavc/global/cs (This site is in English only)
- Standard recording times
  : SD AUDIO (→ above, PDF Operating Instructions for SD-Jukebox)
  : Voice recording, FM recording (→ page 5)

■ Read the operating instructions (PDF)

From the Windows "start" menu, select "All Programs" → "Panasonic" → "SD-JukeboxV5" → "SD-JukeboxV5 Operating Instructions".

- You will need Adobe Acrobat Reader to read the file containing the operating instructions.
- If the operating instructions (PDF) do not open:
  Insert the included CD-ROM into the CD-ROM drive and follow the on-screen instructions to install "Adobe Acrobat Reader".

Starting SD-Jukebox

Double click on the SD-Jukebox icon on the desktop.

After the splash screen, the <HDD Screen> is displayed.
If the icon is not on the desktop:
from the "start" menu, select "All Programs" → "Panasonic" → "SD-JukeboxV5" → "SD-JukeboxV5".

System Requirements

Compatible PC: IBM PC/AT-compatible personal computers with one of the following operating systems preinstalled
OS: Microsoft® Windows® 2000 (Professional Service Pack 2, 3, 4)
Microsoft® Windows®XP
(Home Edition/Professional, or Service Pack 1, 2 supported)

Hardware

CPU: Intel® Pentium® III 500 MHz or higher
RAM: 256 MB or more
Free hard disk space: 100 MB or more
(Depending on the version of Windows or audio data, additional free hard disk space is required.)
Display: High Color (16 bit) or more
Desktop resolution of 800 × 600 pixels or more (1,024 × 768 pixels or more recommended)
Sound: Windows compatible sound device
CD-ROM drive (required for installation and for CD recording):
A CD-ROM drive capable of digital recording is required. Four-speed or higher is recommended.
(Recording dose not work properly with CD-ROM drives connected through an IEEE1394 connection.)
Interface: USB port (required for connecting this unit)
(Operation is not guaranteed if the unit is connected through a USB hub or by using a USB extension cable.)
Others: If you are using the CDDB function, then an Internet connection is also required.

Necessary software

DirectX 8.1 or later

Note

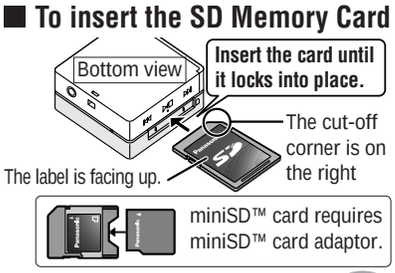
- This software can not be used on Macintosh.
- This software may not operate on some computers even if the system requirements mentioned above are fulfilled.
- Operation is not guaranteed when a version of Windows other than those mentioned above is used.
- Operation on an upgraded OS is not guaranteed.
- Multi-boot environment is not supported.
- Only available when the user is logged in as the system administrator.
- This software may not run properly on user-built computers.
- This software can not be used on 64-bit OS.
- This system's operation is not guaranteed when any other application runs.

Inserting and removing SD Memory Card

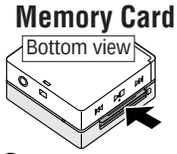
Insert and remove the SD Memory Card when the unit is turned off.

- While "ACCESSSING CARD" appears, the card is being read from or written to. Do not turn off the unit or remove the card. Such action may result in malfunction or loss of the card's contents.

■ To insert the SD Memory Card


Bottom view
Insert the card until it locks into place.
The cut-off corner is on the right
The label is facing up.
miniSD™ card requires miniSD™ card adaptor.

■ To remove the SD Memory Card



❶ Push on the center of the card to unlock it.
❷ Pull it straight out.

Troubleshooting guide

Before requesting service, make the below checks. If you are in doubt about some of the check points, or if the remedies indicated in the chart do not solve the problem:
refer to the "Customer Services Directory" on page 7 if you reside in the U.S.A., or refer to the "Product information" on page 5 if you reside in Canada.

No operation.	• Is the hold function on? (page 10) • Did you insert a card? (page 3) • Has the battery run down? (page 9) (If the battery has not run down, try removing and re-inserting it.) • Are the connections for the rechargeable battery dirty?
Play time is short after recharging.	• This may occur the first time you recharge the battery or if you haven't used it for a long time. Play time should be restored after a few recharges. • If play is extremely short even after fully recharging the battery, the battery may have exceeded its life. Rechargeable battery can be recharged approximately 300 times.
Cannot hear sound.	• Is the volume too low? (page 11) • Is the earphone plug inserted correctly? (page 11) (Try plugging it in again.) • Is the earphone plug dirty?
Play doesn't start from the first track.	• Is the play mode set to RANDOM? (page 11) • Is the resume function on? (page 10) • Is a playlist being used? (page 11)
There is a lot of noise.	• Are you using the unit near a television or mobile phone?
The AC adaptor or the unit becomes warm during charging.	• It becomes slightly warm during charging. This is not a malfunction.
Cannot use the SD Memory Card.	• Is the card's write-protect switch moved to the LOCK position? • Has the card been formatted on a computer in a FAT32 file system or NTFS file system? (Format the card on this unit or SD-Jukebox.)
It takes time to switch to recording the radio.	• It may take time for the "REC. START" screen to be displayed.
Noise is heard in TUNER mode.	• If you connect the AC adaptor, radio reception may be noisy or weak in TUNER mode.
Sound decreases during VOICE PLAY.	• The recorded sound may decrease if an operation is performed during recording. (page 15)

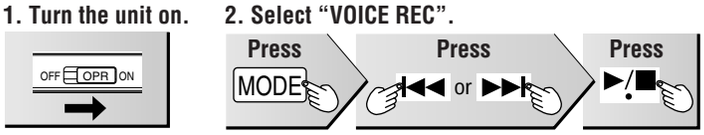
■ When one of the following messages appears on the display:

ACCESSING KEEP CARD IN	• Do not remove the SD Memory card.
HOLD	• The HOLD switch is on. (page 10)
ERROR	• An error has occurred. Reinsert the card and turn the power on again. If this does not remedy the situation, remove and reinsert the battery.
PLEASE WAIT	• The unit is manipulating data. Wait a moment.
EMERGENCY STOP	• The unit cannot manipulate irregular data on the card. Turn off the unit.

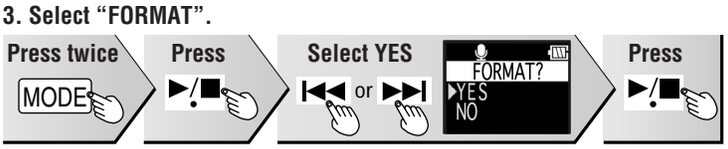
Formatting an SD Memory Card

If the SD Memory Card is formatted on other equipment, the time spent for recording may become longer. Also, if the SD Memory Card is formatted on a computer, you may not be able to use it on this unit. In these cases, format the card on this unit or SD-Jukebox. (→ page 2, PDF Operating Instructions for SD-Jukebox)

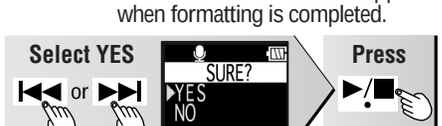
1. Turn the unit on. **2. Select "VOICE REC".**



3. Select "FORMAT".



4. Format. "FORMAT COMPLETED" appears when formatting is completed.



Note

- All the data in the card will be erased if it is formatted.
- Use the rechargeable battery and AC adaptor together, or use the fully charged rechargeable battery.

Standard recording times for Voice recording and FM recording

Card memory	Recording time	Card memory	Recording time
32 MB	2 hours	256 MB	16 hours
64 MB	4 hours	512 MB	33 hours
128 MB	8 hours 30 minutes	1 GB	66 hours

(Time is approximate)

You can record for long periods if you power the unit with the AC adaptor. However, you can only record continuously to one file for up to 24 hours (approximate).

Maintenance

Clean with a soft, dry cloth.
Do not use any type of abrasive pad, scouring powder or solvent such as alcohol or benzine.

Specifications

Supported sampling frequency: **AUDIO:** 32 kHz, 44.1 kHz, and 48 kHz
VOICE: 8 kHz
Decoding / Encoding: **AUDIO:** AAC, WMA and MP3
VOICE: G.726
No. of channels: Stereo, 2 channels (AUDIO, TUNER)
Mono, 1 channel (VOICE Rec / Play, TUNER Rec / Play)
Frequency response: 20 Hz to 20,000 Hz (+0 dB, -7 dB) (AUDIO)
20 Hz to 3,000 Hz (+0 dB, -7 dB) (VOICE)
Mic: Mono
Radio Frequency range (FM): 87.90 MHz to 107.90 MHz (200 kHz steps)
87.50 MHz to 108.00 MHz (50/100 kHz steps)
Output: 3.3 mW + 3.3 mW (16 Ω, M3 jack)
Power supply: DC 1.2 V (one rechargeable battery)
Approximate play times※1: **SD audio continuous playback:** 14 hours 30 minutes
TUNER: 7 hours 30 minutes
VOICE: 11 hours
Approximate recording times※1: **TUNER REC:** 4 hours
VOICE REC: 6 hours
Maximum dimensions (W×H×D): 42.9 × 43.2 × 17.5 mm ($1^{11}/_{16}$" × $1^{11}/_{16}$" × $^{11}/_{16}$")
Cabinet dimensions (W×H×D): 42.0 × 42.0 × 17.5 mm ($1^{21}/_{32}$" × $1^{21}/_{32}$" × $^{11}/_{16}$")
Mass: 39.9 g (1.407 oz.) with battery
27.4 g (0.967 oz.) without battery
AC adaptor input: AC110 V–240 V 50 Hz/ 60 Hz
Recording Media: SD Memory Card
(card capacities between 8 MB and 1 GB)

- Specifications are subject to change without notice.
- The play time shown depends on operating conditions.
- Mass and dimensions are approximate.
- Useable capacity will be less.
- This unit is compatible with Windows Media Audio 9 (WMA9), though not with WMA9 Professional/Lossless/Voice and MBR※2

※1 When the supplied rechargeable battery is fully charged.
※2 Multiple Bit Rate: A file that contains the same content encoded at several different bit rates.

Product service

1. Damage requiring service The unit should be serviced by qualified service personnel if:
(a) The AC power supply cord or AC adaptor has been damaged; or
(b) Objects or liquids have gotten into the unit; or
(c) The unit has been exposed to rain; or
(d) The unit does not operate normally or exhibits a marked change in performance; or
(e) The unit has been dropped or the cabinet damaged.

2. Servicing Do not attempt to service the unit beyond that described in these operating instructions. Refer all other servicing to authorized servicing personnel.

3. Replacement parts When parts need replacing ensure the servicer uses parts specified by the manufacturer or parts that have the same characteristics as the original parts. Unauthorized substitutes may result in fire, electric shock, or other hazards.

4. Safety check After repairs or service, ask the servicer to perform safety checks to confirm that the unit is in proper working condition.

■ Product information

For product information or assistance with product operation:
In the U.S.A., refer to "Customer Services Directory" on page 7.
In Canada, contact Panasonic Canada Inc. Customer Care Centre at 905-624-5505, or visit the website (www.panasonic.ca), or an authorized Servicentre closest to you.

Care and use

■ Main unit / Supplied accessories

- ***Keep the SD Memory Card and the rechargeable battery out of the reach of children to prevent them from being swallowed.***
- ***Don't let reflected light hit people.***
  Lights reflects from this unit's display like a mirror. It can thus get into the eyes of people who are operating a vehicle etc. if it is used under direct sunlight or strong light and cause an accident. Be careful about how you hold the unit.
- Discontinue use if you experience discomfort with the earphones or any other parts that directly contact your skin.
  Continued use may cause rashes or other allergic reactions.
- Leave some slack in the cord of the earphones and the neck lanyard if you wind them around the unit.

Do not:

- disassemble, remodel, drop, or allow the unit to get wet.
- use or store in locations directly exposed to sunlight, a heat vent, or a heating appliance.
- use or store in humid or dusty locations.
- use or store in locations exposed to corrosive gases.
- insert objects other than SD Memory Cards and rechargeable battery.
- use force to open the battery lid.
- use cracked or warped cards.
- short-circuit the power supply terminals of the AC adaptor.
- detach the label on the card or attach other labels or stickers.

■ Rechargeable battery

- Remove the battery if the unit is not to be used for a long time.
- Carry and store the rechargeable battery in the supplied rechargeable-battery case to prevent contact with metal objects.

Do not:

- disassemble, short-circuit, or put in a fire or water.
- peel off the cover or use if the cover has been peeled off.

Mishandling of batteries can cause electrolyte leakage which can damage items the fluid contacts and may cause a fire.
If electrolyte leaks from the battery, consult your dealer.
Wash thoroughly with water if electrolyte comes in contact with any part of your body.

■ Listening caution

Do not play your headphones or earphones at a high volume. Hearing experts advise against continuous extended play.
If you experience a ringing in your ears, reduce volume or discontinue use.
Do not use while operating a motorized vehicle. It may create a traffic hazard and is illegal in many areas.
You should use extreme caution or temporarily discontinue use in potentially hazardous situations.
Even if your headphones or earphones are the open-air type designed to let you hear outside sounds don't turn up the volume so high that you can't hear what's around you.
Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing.
Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.
To establish a safe level:

- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

Once you have established a comfortable sound level:

- Leave it there.

- SD logo is a trademark.
- miniSD is a trademark of the SD Card Association.
- Microsoft, Microsoft logo, Windows, Windows logo, Windows NT, Windows Media and DirectX are either trademarks or registered trademarks of Microsoft Corporation in the United States and other countries.

Designed for Windows Media™

- WMA is a compression format developed by Microsoft Corporation. It achieves the same sound quality as MP3 with a file size that is smaller than that of MP3.
- MPEG Layer-3 audio decoding technology licensed from Fraunhofer IIS and Thomson multimedia.
- Portions of this product are protected under copyright law and are provided under license by ARIS / SOLANA /4C.
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- Macintosh is a registered trademark of Apple Computer, Inc. of the U.S. in both the United States and other countries.
- Adobe®, the Adobe logos, Acrobat® , and Acrobat® Reader™ are trademarks or registered trademarks of Adobe Systems Incorporated.
- CD and music-related data from Gracenote, Inc., copyright© 2000-2003 Gracenote. Gracenote CDDB® Client Software, copyright 2000-2003 Gracenote. This product and service may practice one or more of the following U.S. Patents: #5,987,523; #6,061,680; #6,154,773, #6,161,132, #6,230,192, #6,230,207, #6,240,459, #6,330,593, and other patents issued or pending.
- Other names of systems and products mentioned in these instructions are usually the registered trademarks or trademarks of the manufacturers who developed the system or product concerned. The ™ and ® marks are not used to identify registered trademarks and trademarks in these instructions.
- Licensed AAC Patents (U.S. patent numbers);

08/937,950	5,394,473	5,579,430	5,481,614	5,299,238	5,581,654
5848391	5,583,962	08/678,666	5,592,584	5,299,239	05-183,988
5,291,557	5,274,740	98/03037	5,781,888	5,299,240	5,548,574
5,451,954	5,633,981	97/02875	08/039,478	5,197,087	08/506,729
5 400 433	5 297 236	97/02874	08/211,547	5,490,170	08/576,495
5,222,189	4,914,701	98/03036	5,703,999	5,264,846	5,717,821
5,357,594	5,235,671	5,227,788	08/557,046	5,268,685	08/392,756
5 752 225	07/640,550	5,285,498	08/894,844	5,375,189	

Limited Warranty (ONLY FOR U.S.A.)

Panasonic Consumer Electronics Company,
Division of Panasonic Corporation of North America
One Panasonic Way Secaucus, New Jersey 07094

Panasonic Puerto Rico, Inc.
Ave. 65 de Infantería, Km. 9.5
San Gabriel Industrial Park, Carolina, Puerto Rico 00985

Panasonic / Technics Audio Products Limited Warranty

Limited Warranty Coverage
If your product does not work properly because of a defect in materials or workmanship, Panasonic Consumer Electronics Company or Panasonic Puerto Rico, Inc. (collectively referred to as "the warrantor") will, for the length of the period indicated on the chart below, which starts with the date of original purchase ("warranty period"), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product. The decision to repair or replace will be made by the warrantor.

Product or Part Name	Parts	Labor
Audio Products (except items listed below)	One (1) year	One (1) year
USB Reader-Writer, Personal Computer Card Adapters (in exchange for defective item)	One (1) year	Not Applicable
Accessories: Headphones, Cartridges, Microphones, Adapters	Ninety (90) days	Ninety (90) days
Rechargeable Batteries (in exchange for defective item)	Ten (10) days	Not Applicable
SD Memory Cards, Rechargeable Battery Packs (in exchange for defective item)	Ninety (90) days	Not Applicable

During the "Labor" warranty period there will be no charge for labor. During the "Parts" warranty period, there will be no charge for parts. You must carry-in or mail-in your product during the warranty period. If non-rechargeable batteries are included, they are not warranted. This warranty only applies to products purchased and serviced in the United States or Puerto Rico. This warranty is extended only to the original purchaser of a new product which was not sold "as is". A purchase receipt or other proof of the original purchase date is required for warranty service.

Carry-In or Mail-In Service
For Carry-In or Mail-In Service in the United States call 1-800-211-PANA (1-800-211-7262) or visit Panasonic web site: http://www.panasonic.com
For assistance in Puerto Rico call Panasonic Puerto Rico, Inc. (787)-750-4300 or fax (787)-768-2910.

Limited Warranty Limits And Exclusions
This warranty ONLY COVERS failures due to defects in materials or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by the warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, misadjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or commercial use (such as in a hotel, office, restaurant, or other business), rental use of the product, service by anyone other than a Factory Servicenter or other Authorized Servicer, or damage that is attributable to acts of God.

THERE ARE NO EXPRESS WARRANTIES EXCEPT AS LISTED UNDER "LIMITED WARRANTY COVERAGE". THE WARRANTOR IS NOT LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OF THIS PRODUCT, OR ARISING OUT OF ANY BREACH OF THIS WARRANTY. (As examples, this excludes damages for lost time, travel to and from the servicer, loss of media or images, data or other memory content. The items listed are not exclusive, but are for illustration only.) **ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE WARRANTY OF MERCHANTABILITY, ARE LIMITED TO THE PERIOD OF THE LIMITED WARRANTY.**

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state. If a problem with this product develops during or after the warranty period, you may contact your dealer or Servicenter. If the problem is not handled to your satisfaction, then write to the warrantor's Consumer Affairs Department at the addresses listed for the warrantor.

PARTS AND SERVICE WHICH ARE NOT COVERED BY THIS LIMITED WARRANTY ARE YOUR RESPONSIBILITY.

Customer Services Directory (ONLY FOR U.S.A.)

Customer Services Directory

Obtain Product Information and Operating Assistance; locate your nearest Dealer or Servicenter; purchase Parts and Accessories; or make Customer Service and Literature requests by visiting our Web Site at:
http://www.panasonic.com/consumersupport
or, contact us via the web at:
http://www.panasonic.com/contactinfo
You may also contact us directly at:
1-800-211-PANA (7262),
Monday-Friday 9 am-9 pm; Saturday-Sunday 10 am-7 pm, EST.

For hearing or speech impaired TTY users, TTY: 1-877-833-8855

Product Repairs

Centralized Factory Servicenter

MAIL TO: Panasonic Services Company
1705 N. Randall Road, Elgin, IL 60123-7847
Attention: SD Repair
Please carefully pack and ship, prepaid and insured, to the Elgin Centralized Factory Servicenter.
Customer's in Puerto Rico, please ship or carry in to location right ("Service in Puerto Rico")

Accessory Purchases

Purchase Parts, Accessories and Instruction Books online for all Panasonic Products by visiting our Web Site at: *http://www.pasc.panasonic.com* or, send your request by E-mail to: *upcparts@us.panasonic.com*
You may also contact us directly at:
1-800-332-5368 (Phone) 1-800-237-9080 (Fax Only)
(Monday –Friday 9 am to 8 pm, EST.)
Panasonic Services Company
20421 84th Avenue South, Kent, WA 98032 (We Accept Visa, MasterCard, Discover Card, American Express, and Personal Checks)

For hearing or speech impaired TTY users, TTY: 1-866-605-1277

Service in Puerto Rico

Panasonic Puerto Rico, Inc.
Ave. 65 de Infantería, Km. 9.5, San Gabriel Industrial Park, Carolina, Puerto Rico 00985
Phone (787)750-4300, Fax (787)768-2910

Limited Warranty (ONLY FOR CANADA)

Panasonic Canada Inc.
5770 Ambler Drive, Mississauga, Ontario L4W 2T3

PANASONIC/TECHNICS PRODUCT - LIMITED WARRANTY

Panasonic Canada Inc. warrants this product to be free from defects in material and workmanship and agrees to remedy any such defect, or at its option, replace the product for a period as stated below from the date of original purchase.

Technics Audio Product ——— **One (1) year, parts and labour**
Panasonic Audio & DVD Product ——— **One (1) year, parts and labour**
Accessories including rechargeable batteries ——— **Ninety (90) days**

LIMITATIONS AND EXCLUSIONS

This warranty does not apply to products purchased outside Canada or to any product which has been improperly installed, subjected to usage for which the product was not designed, misused or abused, damaged during shipping, or which has been altered or repaired in any way that affects the reliability or detracts from the performance, nor does it cover any product which is used commercially. Dry cell batteries are also excluded from coverage under this warranty.
This warranty is extended to the original end user purchaser only. A purchase receipt or other proof of date of original purchase is required before warranty service is performed.
THIS EXPRESS, LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PANASONIC CANADA INC. BE LIABLE FOR ANY SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES.
In certain instances, some jurisdictions do not allow the exclusion or limitation of incidental or consequential damages, or the exclusion of implied warranties, so the above limitations and exclusions may not be applicable.

WARRANTY SERVICE

For product operation and information assistance,
please contact your Dealer or our Customer Care Centre
at: Telephone #: (905) 624-5505
Fax #: (905) 238-2360
Web: www.panasonic.ca

For product repairs,
please contact one of the following:
- Your Dealer who will inform you of an authorized Servicentre nearest you.
- Our Customer Care Centre at (905) 624-5505 or www.panasonic.ca
- A Panasonic Factory Servicentre listed below:

Richmond, British Columbia
Panasonic Canada Inc.
12111 Riverside Way Richmond, BC V6W 1K8
Tel: (604) 278-4211
Fax: (604) 278-5627

Calgary, Alberta
Panasonic Canada Inc.
6835-8th St. N. E. Calgary, AB T2E 7H7
Tel: (403) 295-3955
Fax: (403) 274-5493

Mississauga, Ontario
Panasonic Canada Inc.
5770 Ambler Dr. Mississauga, ON L4W 2T3
Tel: (905) 624-8447
Fax: (905) 238-2418

Lachine, Québec
Panasonic Canada Inc.
3075, rue Louis A. Amos Lachine, QC H8T 1C4
Tel: (514) 633-8684
Fax: (514) 633-8020

IF YOU SHIP THE PRODUCT TO A SERVICENTRE
Carefully pack and send prepaid, adequately insured and preferably in the original carton. Include details of the defect claimed, and proof of date of original purchase.

THE FOLLOWING APPLIES ONLY IN THE U.S.A.:

CAUTION:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.
These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any unauthorized changes or modifications to this equipment would void the user's authority to operate this device.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Responsible Party: Panasonic Corporation of North America
One Panasonic Way Secaucus, NJ, 07094 USA
Telephone No.: 1-800-211-7262

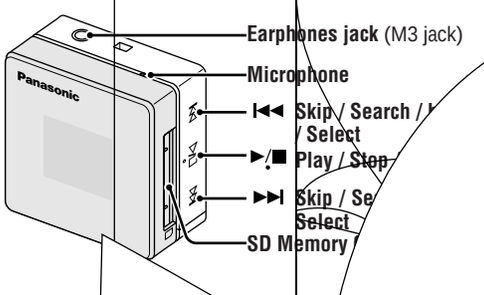
THE FOLLOWING APPLIES ONLY IN CANADA:

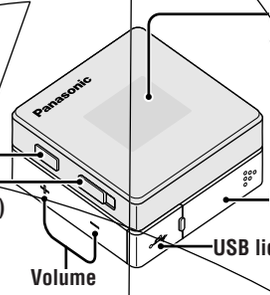
This Class B digital apparatus complies with Canadian ICES-003.

■ AC adaptor

This AC adaptor operates on AC between 110 V and 240 V.
But
- In the U.S.A. and Canada, the AC power supply cord must be connected to a 120 V AC power supply only.
- When connecting to an AC supply outside of the U.S.A. or Canada, use a plug adaptor to suit the AC outlet configuration.
- When connecting to a supply of greater than AC 125 V, ensure the cord you use is suited to the voltage of the AC supply and the rated current of the AC adaptor.
- Contact an electrical parts distributor for assistance in selecting a suitable AC plug adaptor or AC cord set.

Location of Controls





① **TUNER mode indicator**
② **VOICE mode indicator**
③ **AUDIO mode indicator**
④ **Play indicator**
⑤ **Recording indicator**
⑥ **Battery /charge indicator**

■ Auto function

In orde… the u… it unused for more than 1… mode, VOICE PLAY mode)
Press … automatically.

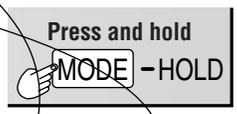
■ Powe…

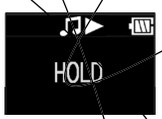
…display appear… to 10 seco… scr…

■ Resume function

Play resumes from where last stopped.
This is cancelled if an SD Memory Card is changed or removed.

■ HOLD function





This function causes the unit to ignore button presses during play and so on, to prevent interrupting an operation.

- To release, press and hold again until "HOLD OFF" is displayed.
- This is cancelled if the OPR is set to OFF or the auto power-off function turns the unit off.

Pow…

Recha…

1 Ins… rec… bat…

2 Ch…

Note Cha…
- Y…
- R…
- (…

AC a…

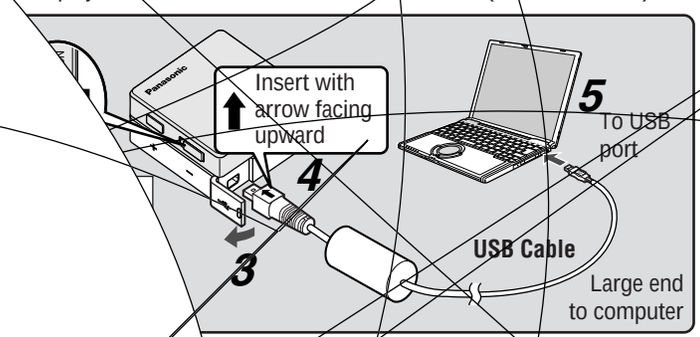
Ins… the re…
…you conn… short time.
Operation…
rechargeab…

Battery li…

You can not st… and FM reco… battery indicator…
- Use the recharg… and AC adaptor toge… the fully charged rechargeable battery to start recording.

Write the music data to an SD Memory Card

…u can play music data recorded in SD Audio format (AAC/WMA/MP3).



SD Memory Card using the SD-Jukebox …ed CD-ROM.
…structions for SD-Jukebox (PDF) for in…

…uaranteed when using the USB cable only. Insert …attery.
…t the USB cable while "ACCESSING CARD" is …the battery lid while recording. This can cause the …mory Card to be lost, or render it unusable.
…tion is not recognized, disconnect the USB cable …

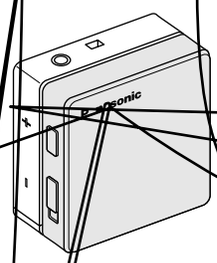
…ded USB cable to avoid damage to the unit. Do not …USB cable with any other equipment.
…t guaranteed when more than two items of U… …nected to your computer or a USB hub or U… …sed.
…into power save mode while connected to this unit, …nit when it comes out of this mode. Disconnect …restart the computer if this happens.
…le, double click the icon which is in …and follow the onscreen instructions.
…rging while the unit is connected to …vever, it cannot charge fully.

… USB cable when the …

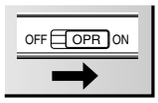
…it is recognized as an …reader/writer.
…n music data from …

Playing tracks (AUDIO mode)

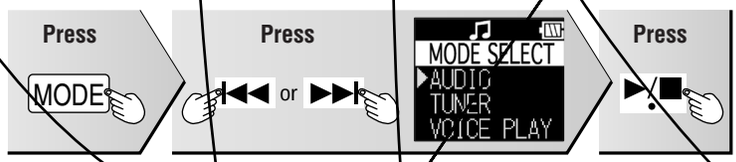
Preparation:
Insert an SD Memory Card with tracks recorded. The music recorded by SD stereo system is also playable.



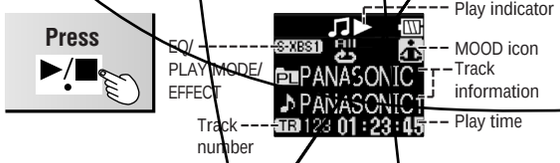
1 **Turn the unit on.**



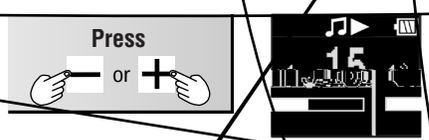
2 **Select "AUDIO".**



3 **Start play.**



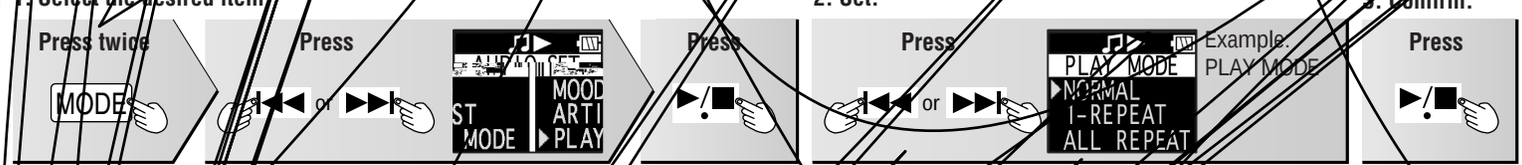
4 **Adjust the volume. (0-25)**



Note Play stops at the end of the playlist.

AUDIO mode settings

1. Select the desired item. **2. Set.** **3. Confirm.**



■ **PLAYLIST**※1,4
Select the playlist.

■ **ALBUM**※1,4
Select the playlist classified into the ALBUM playlist in SD-Jukebox.

■ **MOOD**※1,4
Select the playlist classified into the MusicSommelier (Mood Analyzer) playlist in SD-Jukebox.
• The MOOD icon is displayed during play.
ENERGETIC
MEDITATIVE
MELLOW
OTHER

■ **ARTIST**※1,4
Select the playlist classified into the ARTIST playlist in SD-Jukebox.

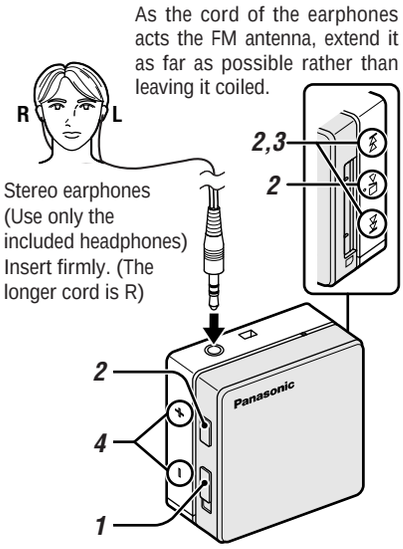
■ **PLAY MODE**※2
NORMAL: Normal play
1-REPEAT: 1 track repeat
ALL REPEAT: All tracks repeat in a playlist
A-B REPEAT AB: Play repeats between the two points.
1. Select this mode during play.
2. Press ►/■ at the start point (A) and once more at the end point (B) in the same track.
This is cancelled with the skip and stop functions.
RANDOM: All tracks random repeat in a playlist.
INTRO PLAY INT: To play the first 10 seconds of each track in order (You can select this while play is stopped).

■ **EQ**※2,3
NORMAL: Normal
S-XBS1 S-XBS1: Add powerful bass
S-XBS2 S-XBS2: Enhanced S-XBS1 effect
TRAIN TRAIN: Reduces sound leaks and listening fatigue

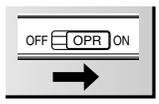
■ **EFFECT**※2,3
P.SRD1 P.SRD1: Personal surround (3D sound field with presence)
P.SRD2 P.SRD2: Enhanced P.SRD1 effect
RE-MASTER RM: Compensates for high frequencies lost through compressed recording
OFF: Normal

■ **DISP. MODE**※4
PL&TITLE: Displays playlist title and track title
TITLE&ARTIST: Displays track title and artist name
PL&ARTIST: Displays playlist title and artist name
TITLE&INFO: Displays track title and information (codec and bitrate)

Using the FM radio (TUNER mode)


As the cord of the earphones acts the FM antenna, extend it as far as possible rather than leaving it coiled.
R
L
2,3
2
Stereo earphones (Use only the included headphones) Insert firmly. (The longer cord is R)
2
4
1
Panasonic

1 Turn the unit on.



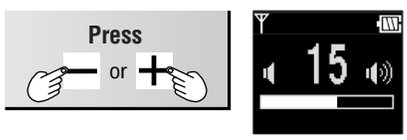
2 Select "TUNER".

3 Select the station.

- Press and hold for more than 2 seconds for automatic tuning. When the button is released the frequency starts scrolling and stops when a station is found.
- You can preset stations to make tuning simpler. Select "PRESET" for "TUNING MODE" before step 3 (→below: TUNER mode settings)

4 Adjust the volume. (0-25)

- Noise may be heard when adjusting the volume.



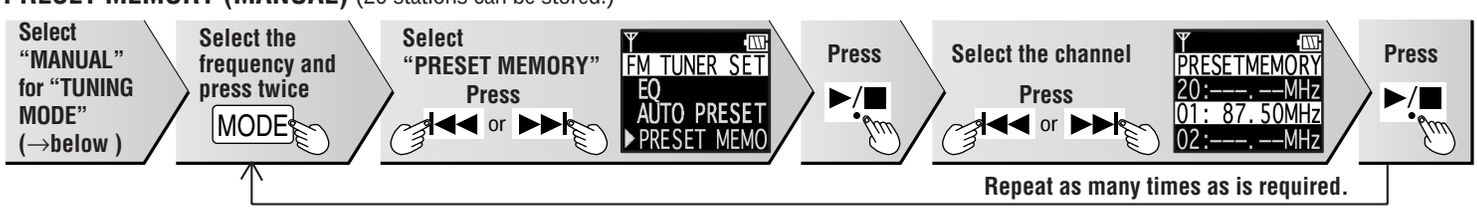
Setting mode Other modes	Press MODE	Off	OFF OPR ON

Presetting FM stations

■ AUTO PRESET (20 stations can be stored.)

- The tuner automatically presets the stations it can receive into the channels in order.
- Auto Preset may not function if reception is weak or there is excessive noise. If an unwanted frequency or noise is occupying a channel, use PRESET MEMORY (MANUAL).
- When finished, the first station memorized is displayed. "TUNING MODE" is set to "PRESET".

■ PRESET MEMORY (MANUAL) (20 stations can be stored.)

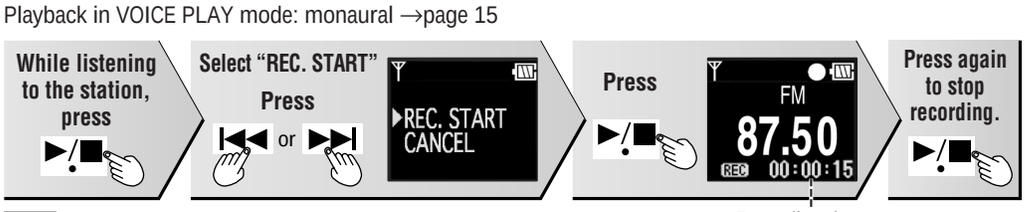


■ To listen to preset channels

Select the preset channel in step 3 above.

Recording the radio

Playback in VOICE PLAY mode: monaural →page 15

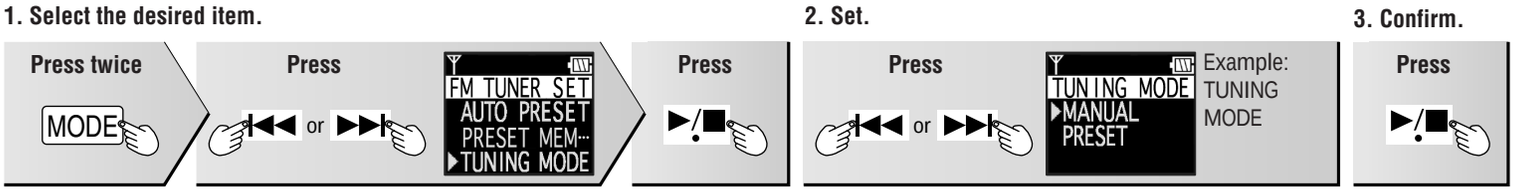


Note
- Recorded files are saved with the file name "Fxxxx".
- Noise may be recorded if you adjust the volume while recording.

Changing the display
- During recording, each time you press the MODE: Recording time → Remaining time → file name.
- When remaining time becomes less than 10 minutes, the remaining time is displayed. The remaining time, ⏉ and ● flash.

TUNER mode settings

1. Select the desired item. **2. Set.** **3. Confirm.**



■ EQ※

- **NORMAL**: Normal
- **S-XBS** S-XBS: Add powerful bass

■ AUTO PRESET (Above)

■ PRESET MEMORY (Above)

■ TUNING MODE

- **MANUAL**: You can select the stations (frequencies) manually.
- **PRESET**: You can select the preset stations.

■ STEREO/MONO

- **STEREO**: To receive as stereo
- **MONO** ▽: To receive as monaural (MONO is selected to reduce noise when reception is weak.)

■ BAND STEP (The tuning band step)

200 kHz / 100 kHz / 50 kHz

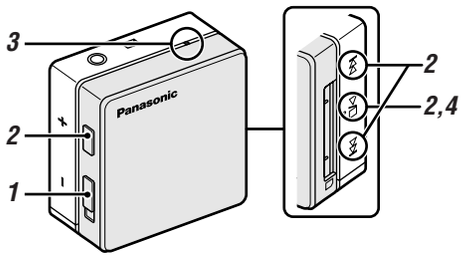
- Converting the steps erases all preset stations.

- No sound is output when switching between functions in TUNER mode.

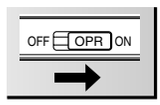
※ The S-XBS icon is displayed if S-XBS is selected.

Voice recording (VOICE REC mode) / Playing recorded tracks (VOICE PLAY mode)

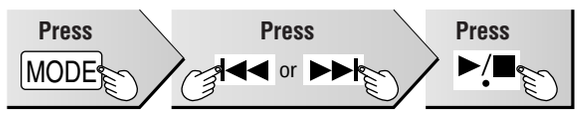
Voice recording (Monaural recording)



1 Turn the unit on.



2 Select "VOICE REC".



Remaining time

Note
- Noise may be recoded if you adjust the volume while recording.
- If the MODE is pressed during "STANDBY", the sound stops being output.

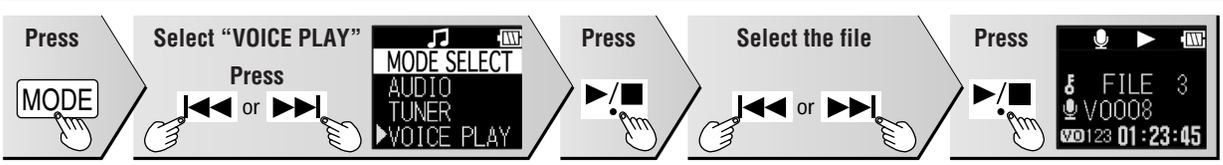
3 Speak into the microphone, and start recording.
- Recorded files are saved with the file name "Vxxxx".

Recording time

4 Stop recording

Changing the display	• During recording, each time you press the MODE: Recording time → Remaining time → file name. • When remaining time becomes less than 10 minutes, the remaining time is displayed. The remaining time, ● and ● flash.		
Setting mode Other modes	**Press** MODE	**Off**	OFF OPR ON

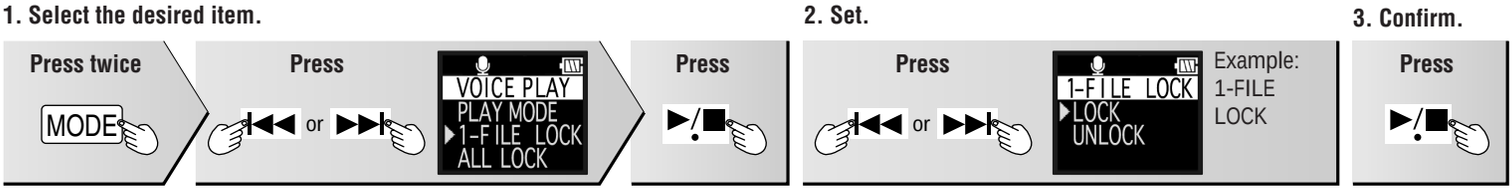
Playing recorded tracks (Playback of VOICE REC files/files recorded from the radio: Monaural)



- Play stops after all files are played.
- Operations for playback are the same as AUDIO mode. (→page11)

VOICE PLAY mode settings

1. Select the desired item. **2. Set.** **3. Confirm.**



■ PLAY MODE
Same as AUDIO mode. (→page11)
- RANDOM and INTRO PLAY cannot be selected.

■ 1-FILE LOCK
- **LOCK**: Locking a selected file
  - A lock icon appears for the locked file.
- **UNLOCK**: Cancelling a 1-FILE LOCK

■ ALL LOCK
- **LOCK**: Locking all the files
  - A lock icon appears for the locked file.
- **UNLOCK**: Cancelling ALL LOCK

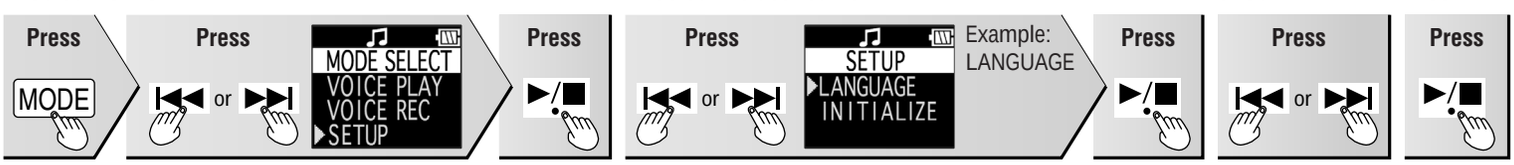
■ 1-FILE ERASE
- **YES**: Erasing a selected file (You cannot erase the locked files)
- **NO**: Don't erase

■ ALL ERASE
- **YES**: Erasing all un locked files
- **NO**: Don't erase
- If you select YES, "SURE?" is displayed. To erase all the files, select YES again and press ►/■.

Note
- Files recorded on this unit have a file lock for protection. You need to unlock a locked file before erasing it.
- You can only lock and unlock a file while play is stopped.
- Locking and erasing files may take time if there is a large number of files. Use the rechargeable battery and AC adaptor together, or use the fully charged rechargeable battery.

SETUP mode

1. Select "SETUP". **2. Select the desired item.** **3. Set.** **4. Confirm.**



■ LANGUAGE
Choose the language for function names and confirmation messages.
- 日本語: Japanese
- **ENGLISH**
- 简体中文: Simplified chinese

■ INITIALIZE
Return everything to the default settings.
- **YES** —<Items that have been initialized>
- **NO** **MODE SELECT** = AUDIO, **Volume** = 12, **EQ (AUDIO, TUNER)**= NORMAL, **EFFECT (AUDIO)** = OFF, **PLAYMODE (AUDIO, VOICE)** = NORMAL, **STEREO/MONO (TUNER)** = STEREO

RQT7847